L1	FILE	'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 15:01:12 ON 16 NOV 2006 2214 S ABCG2 OR BCRP
L2		869 S INDOLOCARBAZOLE
L3		13 S L1 AND L2
L4		7 DUP REMOVE L3 (6 DUPLICATES REMOVED)
	FILE	'STNGUIDE' ENTERED AT 15:03:11 ON 16 NOV 2006
	FILE	'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 15:05:48 ON 16 NOV 2006
L5		14029 S C421A OR 421
L6		25 S L1 AND L5
L7		11 DUP REMOVE L6 (14 DUPLICATES REMOVED)

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	197	ABCG2 or BCRP	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:55
L2	318083	snp or mutation or polymorphism or variant	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:55
L3	134	L1 and L2	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:56
L4	140707	"421" or C421A	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:56
L5	24	L1 and L2 and L4	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:58
L6	28	L1 and L4	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:59
L7	335	indolocarbazole	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 14:59
L8	4	L1 and L7 and L2	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/16 15:00

PubMed Entrez

BLAST

OMIM

Taxonomy

Structure

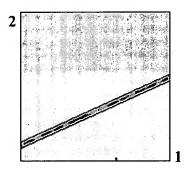
BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.14 [May-07-2006]

Match: 1 Mismatch: -2 gap open: 5 gap extension: 2						
x_dropoff: 50 expect: 10.000 wordsize: 11 Filter View option Standard	¥					
Masking character option X for protein, n for nucleotide Masking color option Black						
Show CDS translation Align						

Sequence 1: gi|44847528|emb|CQ757490.1|Sequence 1 from Patent WO2003107249. Length = 1968 (1 .. 1968)

Sequence 2: gi|62526032|ref|NM_004827.2|Homo sapiens ATP-binding cassette, sub-family G (WHITE), member 2 (ABCG2), mRNA Length = 4445 (1 .. 4445)





NOTE:Bitscore and expect value are calculated based on the size of the nr database.

NOTE:If protein translation is reversed, please repeat the search with reverse strand of the query sequence.



4445

Score = 3757 bits (1954), Expect = 0.0Identities = 1968/1968 (100%), Gaps = 0/1968 (0%) Strand=Plus/Plus sca id # 1 494 553 Sbjct zambers 120 Query 613 Sbjct 554 121 180 AACATCTGCTATCGAGTAAAACTGAAGAGTGGCTTTCTACCTTGTCGAAAACCAGTTGAG Query 673 Sbjct 614 240 181 Query AAAGAAATATTATCGAATATCAATGGGATCATGAAACCTGGTCTCAACGCCATCCTGGGA 733 Sbjct CCCACAGGTGGAGGCAAATCTTCGTTATTAGATGTCTTAGCTGCAAGGAAAGATCCAAGT 241 Query

Sbjct	734		793
Query	301	GGATTATCTGGAGATGTTCTGATAAATGGAGCACCGCGACCTGCCAATTTCAAATGTAAT	360
Sbjct	794		853
Query	361	TCAGGTTACGTGGTACAAGATGATGTTGTGATGGGCACTCTGACGGTGAGAGAAAACTTA	420
Sbjct	854	TCAGGTTACGTGGTACAAGATGATGTTGTGATGGGCACTCTGACGGTGAGAGAAAACTTA	913
Query	421	CAGTTCTCAGCAGCTCTTCGGCTTGCAACAACTATGACGAATCATGnnnnnnCGAACGG	480
Sbjct	914	CAGTTCTCAGCAGCTCTTCGGCTTGCAACAACTATGACGAATCATGAAAAAAAA	973
Query	481	ATTAACAGGGTCATTCAAGAGTTAGGTCTGGATAAAGTGGCAGACTCCAAGGTTGGAACT	540
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Query	541	CAGTTTATCCGTGGTGTCTCGGAGGAGAAAAGGACTAGTATAGGAATGGAGCTT	600
Sbjct	1034	CAGTTTATCCGTGGTGTCTCGGAGGAGAAAAAGGACTAGTATAGGAATGGAGCTT	1093
Query	601	ATCACTGATCCTTCCATCTTGTTCTTGGATGAGCCTACAACTGGCTTAGACTCAAGCACA	660
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Query	661	GCAAATGCTGTCCTTTTGCTCCTGAAAAGGATGTCTAAGCAGGGACGAACAATCATCTTC	720
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Query	721	TCCATTCATCAGCCTCGATATTCCATCTTCAAGTTGTTTGATAGCCTCACCTTATTGGCC	780
Sbjct	1214	TCCATTCATCAGCCTCGATATTCCATCTTCAAGTTGTTTGATAGCCTCACCTTATTGGCC	1273
Query	781	TCAGGAAGACTTATGTTCCACGGGCCTGCTCAGGAGGCCTTGGGATACTTTGAATCAGCT	840
Sbjct	1274	TCAGGAAGACTTATGTTCCACGGGCCTGCTCAGGAGGCCTTGGGATACTTTGAATCAGCT	1333
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Sbjct	1634	TCCAAGCGTTCATTCAAAAACTTGCTGGGTAATCCCCAGGCCTCTATAGCTCAGATCATT	1693
Query	1201	GTCACAGTCGTACTGGGACTGGTTATAGGTGCCATTTACTTTGGGCTAAAAAAATGATTCT	1260
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Query
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    2294
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Sbjct
    2354
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    1921
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Sbjct
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0.01 sys. secs

0.04 total secs.

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Lambda K H
1.33 0.621 1.12

Gapped
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0.621

K

CPU time:

Lambda

1.33

Matrix: blastn matrix:1 -2 Gap Penalties: Existence: 5, Extension: 2

Number of extensions: 9

Number of Sequences: 1
Number of Hits to DB: 608

Η

Number of successful extensions: 1 Number of sequences better than 10.0: 1

0.03 user secs.

1.12

Number of HSP's gapped: 1

Number of HSP's successfully gapped: 1

Length of query: 1968

Length of database: 18,419,680,154

Length adjustment: 27

Effective length of query: 1941

Effective length of database: 18,419,680,127

Effective search space: 35752599126507

Effective search space used: 35752599126507

X1: 11 (21.1 bits)

X2: 26 (50.0 bits)

X3: 26 (50.0 bits)

S1: 15 (29.5 bits)

S2: 22 (43.0 bits)